

## climate change initiative

# → CMUG NEWSLETTER

March 2024

### CMUG News & Science Highlights

- Five of the CMUG CCI+ phase 2 studies held their kick-off meetings at CMUG's Integration Meeting in November 2023.
- CMUG held its first QPM of this new phase of the project (CCI+ Phase 2) on 26<sup>th</sup> February 2024 10:00-12:00 GMT. Work Package summaries were presented with a focus on the science studies that have already kicked off. Meeting presentations and other documents can be accessed in the meeting folder on the project SharePoint [here](#).
- CMUG's first CCI-wide Climate Science Working Group (CSWG) of this phase will be held 11<sup>th</sup> March 2024 09:00-10:15 GMT. This CSWG will focus on the scientific study Cloud and Aerosol Analysis (WP5.5). All CCI ECV projects will be invited. Details below.
- CMUG submitted an [article](#) for the UKESM's [TerraFIRMA](#) newsletter on 'Linking the climate modelling community with satellite climate datasets', in December 2023. TerraFIRMA comprises of a suite of novel future climate projections investigating risks and impacts associated with overshooting key global warming targets as well as an assessment of the leading mitigation options available to limit future climate change.

### In this issue:

- CMUG News & Science Highlights
- CMUG's first QPM of new phase 26<sup>th</sup> Feb 2024
- Upcoming: first CSWG of new phase 11<sup>th</sup> Mar 2024
- CMUG ECV Data Use & Key Contacts
- CMUG Partner Contacts per ECV

### Upcoming: Climate Science Working Group (CSWG) Meeting – 11<sup>th</sup> March 2024

CMUG is organising its first CSWG meeting of this phase on 11<sup>th</sup> March 2024 as a virtual meeting on Microsoft Teams. This CSWG meeting will focus on the scientific study (WP5.5) by ECMWF/BSC/DLR on **Cloud and Aerosol Analysis**. This study's webpage can be found [here](#).

The agenda is presented on the following page and can also be directly accessed [here](#).

### Previous: CSWG Meeting

CMUG's previous CSWG meeting was held in the last phase of the project on 4<sup>th</sup> April 2022 as a virtual meeting on Microsoft Teams. This CSWG meeting focused on progress updates since the Integration Meeting before that (October 2021) as well as proposals for the scientific studies in this phase. The newsletter for this meeting can be found [here](#).

### Previous: CMUG Integration Meeting November 2023

CMUG held its first Integration Meeting of this phase on 8-9<sup>th</sup> November 2023 at ECSAT, Harwell, UK. This meeting included kick-off meetings for scientific studies as well as discussions on plans for the new project phase. The newsletter for this meeting can be found [here](#) and the meeting webpage can be accessed [here](#).

**CSWG March 2024, Focus on Cloud and Aerosol Analysis scientific study**Monday 11<sup>th</sup> March, 09:00-10:15 UK Time / 10:00-11:15 Central European Time**Agenda** (time below given in UK time)

1. 09:00-09:05 Arrival and introductions
2. 09:05-09:10 Introduction (Amy Doherty, Project Manager; 5 mins)
3. 09:10-09:40 Dust aerosol analysis, progress and future plans (Jeronimo Escribano, 20 min presentation, 10 min discussion)
4. 09:40-10:10 Aerosol / Cloud analysis, progress and future plans (Kirsti Salonen, 20 min presentation, 10 min discussion)
5. 10:10 Meeting close

**CMUG Key Contacts per CMUG Partner****Met Office**

- Amy Doherty (Project Manager)
- Richard Jones (Science Lead)
- Hannah Griffith (Comms)
- David Ford (Ocean biogeochemistry)
- Debbie Hemming (Vegetation phenology)
- Rob King (Vegetation phenology)
- Nic Gedney (Methane emissions)

**DLR**

- Axel Lauer (ESMValTool / Cloud and aerosols / Machine learning)
- Lisa Bock (Machine Learning)
- Veronika Eyring (Machine learning)

**ECMWF**

- Angela Benedetti (Cloud and aerosols)
- Kirsti Salonen (Cloud and aerosols)

**DMI**

- Shuting Yang (Ice sheets)
- Ruth Mottram (Ice sheets)

**BSC**

- Pablo Ortega (Ocean biogeochemistry)
- Jeronimo Escribano (Cloud and aerosols)
- Joan Llord (Ocean biogeochemistry)

**UKRI-STFC (CEDA)**

- Alison Waterfall (Obs4MIPs)

**IPSL**

- Philippe Peylin (Snow dynamics)
- Catherine Ottlé (Snow dynamics)

**Météo France**

- Jean-Christophe Calvet (Land surface data in ISBA model)

**SMHI**

- Ulrika Willén (Ice sheets)

**CMCC**

- Daniele Peano (Vegetation phenology)

**NCEO (University of Leicester)**

- Robert Parker (Methane emissions)
- Cristina Ruiz Villena (Methane emissions)

**NCEO (University of Edinburgh)**

- Paul Palmer (Methane emissions)

## CMUG Partner Contact per ECV

Below is a table that shows the corresponding CMUG contact information for each ECV project, including institutions and emails.

ECV	CMUG Partner	Institution	Email
Aerosols	Angela Benedetti	ECMWF	<a href="mailto:Angela.benedetti@ecmwf.int">Angela.benedetti@ecmwf.int</a>
	Kirsti Salonen	ECMWF	<a href="mailto:kirsti.salonen@ecmwf.int">kirsti.salonen@ecmwf.int</a>
	Jeronimo Escribano	BSC	<a href="mailto:jeronimo.escribano@bsc.es">jeronimo.escribano@bsc.es</a>
Anthropogenic water use	TBD	TBD	TBD
Biomass/AGB	Debbie Hemming	Met Office	<a href="mailto:Debbie.hemming@metoffice.gov.uk">Debbie.hemming@metoffice.gov.uk</a>
	Daniele Peano	CMCC	<a href="mailto:daniele.peano@cmcc.it">daniele.peano@cmcc.it</a>
Clouds	Lisa Bock	DLR	<a href="mailto:Lisa.bock@dlr.de">Lisa.bock@dlr.de</a>
	Axel Lauer	DLR	<a href="mailto:Axel.lauer@dlr.de">Axel.lauer@dlr.de</a>
	Ulrika Willén	SMHI	<a href="mailto:Ulrika.willen@smhi.se">Ulrika.willen@smhi.se</a>
Fire/Burnt Area	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
Glaciers	TBD		
Greenhouse Gases	Rob Parker	NCEO	<a href="mailto:rjp23@leicester.ac.uk">rjp23@leicester.ac.uk</a>
Ice Sheets	Ulrika Willén	SMHI	<a href="mailto:Ulrika.Willen@smhi.se">Ulrika.Willen@smhi.se</a>
	Ruth Mottram	DMI	<a href="mailto:ruth.mottram@dmi.dk">ruth.mottram@dmi.dk</a>
Lakes	Richard Jones	Met Office	<a href="mailto:Richard.jones@metoffice.gov.uk">Richard.jones@metoffice.gov.uk</a>
Land Cover	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
	Debbie Hemming	Met Office	<a href="mailto:Debbie.hemming@metoffice.gov.uk">Debbie.hemming@metoffice.gov.uk</a>
LST	Rob King	Met Office	<a href="mailto:Rob.king@metoffice.gov.uk">Rob.king@metoffice.gov.uk</a>
	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
	Catherine Ottle	IPSL	<a href="mailto:catherine.ottle@lsce.ipsl.fr">catherine.ottle@lsce.ipsl.fr</a>
Ocean Colour	David Ford	Met Office	<a href="mailto:David.ford@metoffice.gov.uk">David.ford@metoffice.gov.uk</a>
	Joan Llort	BSC	<a href="mailto:joan.llort@bsc.es">joan.llort@bsc.es</a>
Ozone	Angela Benedetti	ECMWF	<a href="mailto:Angela.benedetti@ecmwf.int">Angela.benedetti@ecmwf.int</a>
Permafrost	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
Precursors to aerosol and ozone	TBD	TBD	TBD

Sea Ice	David Ford	Met Office	<a href="mailto:David.ford@metoffice.gov.uk">David.ford@metoffice.gov.uk</a>
Sea Level	David Ford	Met Office	<a href="mailto:David.ford@metoffice.gov.uk">David.ford@metoffice.gov.uk</a>
	Pablo Ortega	BSC	<a href="mailto:Pablo.ortega@bsc.es">Pablo.ortega@bsc.es</a>
Sea State	David Ford	Met Office	<a href="mailto:David.ford@metoffice.gov.uk">David.ford@metoffice.gov.uk</a>
Sea Surface Salinity	David Ford	Met Office	<a href="mailto:David.ford@metoffice.gov.uk">David.ford@metoffice.gov.uk</a>
	Pablo Ortega	BSC	<a href="mailto:Pablo.ortega@bsc.es">Pablo.ortega@bsc.es</a>
SST	David Ford	Met Office	<a href="mailto:David.ford@metoffice.gov.uk">David.ford@metoffice.gov.uk</a>
	Pablo Ortega	BSC	<a href="mailto:Pablo.ortega@bsc.es">Pablo.ortega@bsc.es</a>
	Ulrika Willén	SMHI	<a href="mailto:Ulrika.willen@smhi.se">Ulrika.willen@smhi.se</a>
Snow	Philippe Peylin	IPSL	<a href="mailto:Philippe.peylin@lsce.ipsl.fr">Philippe.peylin@lsce.ipsl.fr</a>
	Catherine Ottlé	IPSL	<a href="mailto:Catherine.ottle@lsce.ipsl.fr">Catherine.ottle@lsce.ipsl.fr</a>
	Amélie Cuynet	IPSL	<a href="mailto:amelie.cuynet@lsce.ipsl.fr">amelie.cuynet@lsce.ipsl.fr</a>
Soil Moisture	Debbie Hemming	Met Office	<a href="mailto:Debbie.hemming@metoffice.gov.uk">Debbie.hemming@metoffice.gov.uk</a>
	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
Water Vapour	Angela Benedetti	ECMWF	<a href="mailto:Angela.benedetti@ecmwf.int">Angela.benedetti@ecmwf.int</a>
	Axel Lauer	DLR	<a href="mailto:Axel.lauer@dlr.de">Axel.lauer@dlr.de</a>
Vegetation	Daniele Peano	CMCC	<a href="mailto:daniele.peano@cmcc.it">daniele.peano@cmcc.it</a>
	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
	Philippe Peylin	IPSL	<a href="mailto:Philippe.peylin@lsce.ipsl.fr">Philippe.peylin@lsce.ipsl.fr</a>
Other long-lived greenhouse gases	Rob Parker	NCEO	<a href="mailto:rjp23@leicester.ac.uk">rjp23@leicester.ac.uk</a>
River discharge	Jean-Christophe Calvet	Météo-France	<a href="mailto:Jean-christophe.calvet@meteo.fr">Jean-christophe.calvet@meteo.fr</a>
	Catherine Ottlé	IPSL	<a href="mailto:Catherine.ottle@lsce.ipsl.fr">Catherine.ottle@lsce.ipsl.fr</a>